

CYPHERS COMPANY'S PORTABLE HOVERS

WHEN, WHERE AND HOW TO USE FOR BEST RESULTS

THE QUESTION OF "WHEN" TO USE PORTABLE HOVERS cannot very well be separated from the questions of "WHERE" and "HOW" to use them. When to use this type of brooding hover depends on *what your plans are* and how you propose to carry out those plans.

If it is your aim to produce a *few extra-early chicks*—say in January, February or March in northern latitudes—this type of Hover can be used to good advantage, either in a living room that is moderately heated, or in any other apartment that is warm enough for young chicks to run about in and get the needed exercise.

On the other hand, if you plan to produce extra-early chickens in large numbers, by the use of this type of brooding device, it is advisable to locate your Portable Hovers in a long poultry house or some large apartment, that is to be divided into pens about 5 x 8 feet in size, using board and wire partitions. For January, February and March work, this poultry house or apartment should be heated by hot-water pipes or radiators, or by a stove or furnace of some kind. See our free 52-page booklet, "Best Methods of Brooding" for a diagram of such a house and how to locate the Hovers. This booklet will be mailed FREE, postpaid, to any address, for the asking.

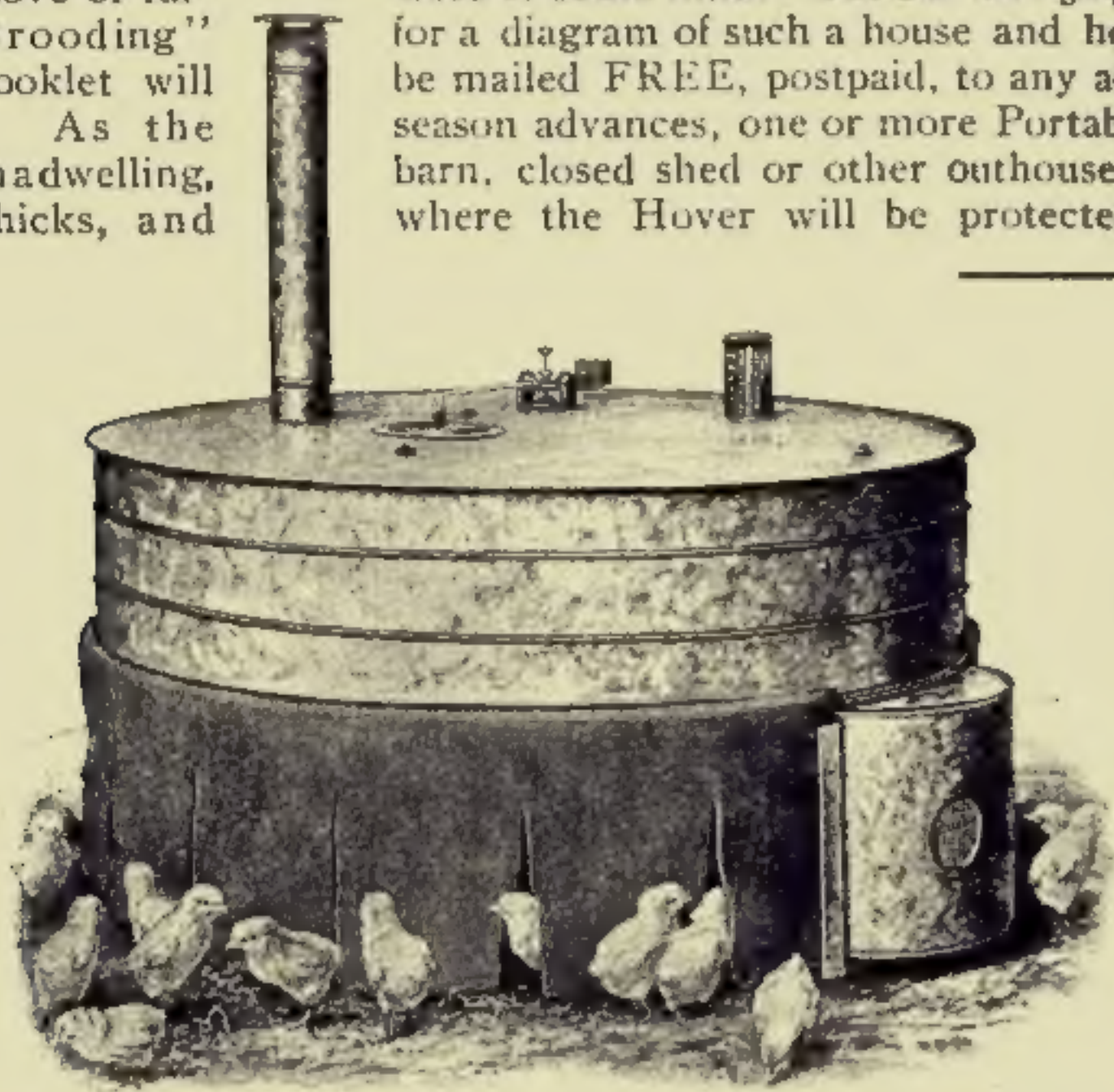
Season advances, one or more Portable Hovers can be used *anywhere*—barn, closed shed or other outhouse where it is safe to place little where the Hover will be protected from direct winds or strong

drafts; also in poultry houses, small or large, in good-sized roosting coops, etc. But this type of Hover should not be used out of doors as a separate or complete brooding device.

Portable Hovers are designed *solely* for indoor use. In cases where a Hover is wanted for use in connection with an *Outdoor Brooder* of the usual type—home-made or factory-built—or with a goods box, a piano or organ case—a Hover that can be exposed to any amount of wind and storm—our ADAPTABLE HOVER should be used in preference to the Portable type—see booklet "Best Methods of Brooding," also large four-page 1914 free circular which explain in detail "When, Where and How to Use Adaptable Hovers to Best Advantage."

One reason why Portable Hovers are in such large demand, is because extra-early chicks can be raised *or started* by their use *indoors*. They can be set down on the floor almost anywhere and will give a good account of themselves. Located *indoors*, they are close at hand, where it is easy to care for them and where the chicks are safe during cold weather, also from rats and other enemies. *Later on*, as the weather moderates, they can be used with good results in nearly any kind of an outbuilding, or in colony houses, large roosting coops, etc., without *any other heat* than that which is supplied by the Hover lamps.

As examples of "When" to use Cyphers Portable Hovers, please read the sample reports published on this page.



CYPHERS PORTABLE HOVER IN USE

From photograph, showing Cyphers Company's Self-ventilating and Self-regulating Portable Hover in use on floor of Poultry House or in any well-lighted room or apartment. Chicks at all times are on a level with surrounding floor and therefore do not have steps or an incline to run up and down. Set Hover down anywhere indoors, light the lamp and in fifteen to thirty minutes it will be ready for the chicks or ducklings.

"EASILY MAINTAINED EVEN IN VERY CHANGEABLE WEATHER"

Hutchinson, Kansas, July 13, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—We believe that no other make of brooding device comes as near reaching the "acme of perfection" as does your Portable Hover. We know whereof we speak—because we have used others.

We wish to say to all poultry growers that they need not fear to use Cyphers Portable Hovers *at any time of the year*. At all seasons we have found them absolutely reliable. The temperature in these Self-regulating Portables is easily maintained, even in very changeable weather. Often when our section was visited by blizzard conditions, we would worry about our little chicks, *but in every case* found them snug and warm and perfectly unharmed.

Experience has convinced us of the superiority of the Cyphers Portable Hover and in future we shall use them exclusively. They are large and roomy, are *automatic in ventilation* and produce large, strong, healthy chicks.

O. H. GUY & SON, Per O. H. Guy,
Breeder of Rose Comb Brown Leghorns.

Under like conditions the Cyphers Portable Hover will produce fifteen to twenty-five degrees *more heat* than the central-dome type of Portable Hover—a type that was invented on Cyphers Company Poultry Farm in 1907, but which was discarded after four years test, because it was found to be decidedly inferior to the form of Portable Hover illustrated herewith.

We could manufacture a much cheaper "movable" brooding device for indoor use, but we could not make a

better one. The real test of the *practical value* of a device of this kind comes when the unexpected happens—when the weather turns suddenly cold, especially at night. It is then that the chicks must have *enough heat*, or the results will be fatal. Ample heating power is essential in a first-class Portable Hover—also some form of *self-regulation* to supply more heat when it is needed.

"EARLY IN SEASON WHILE THE WEATHER WAS QUITE COLD"

Conesus, N. Y., September 4, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—I cannot say too much in praise of the Standard Cyphers Incubators and your *Self-Regulating Portable Hovers*. Out of 352 eggs set in one of your No. 3 machines early this past spring we hatched 325 strong, healthy chicks. They were beauties! The percentage of another hatch, made *still earlier in the season*, in the same incubator, was fully as good, but we did not keep a record of it.

We have five of your *Portable Hovers* and consider them wonderful as automatic brooding devices. We began using them early in the season while the weather was quite cold, but we *never had a bit of crowding in these Hovers* and not one chick was smothered. They grew well from the start and were strong and vigorous.

We kept a record of the chicks entrusted to *two of these Hovers* and out of 295 chicks placed in them, *not one died*. Morning after morning, despite cold winds and rainy weather, we would go out and find *every chick alive and healthy*. Our Hovers were operated in 6x8-foot shed-roof colony houses and "ran like a clock". We cleaned them twice a day, lighted the lamps and they never smoked or bothered us a bit. Our chicks were White Plymouth Rocks and White Leghorns. We never had chicks *do as well before*, either as regards small losses or quick and vigorous growth.

W. W. FENNO.

These 6 x 8-foot shed-roof houses were closed on all sides and were built snug enough to keep out cold winds and strong drafts. A 2 x 3-foot window was located in the east wall, letting in plenty of light. Board floors were used, which kept the young chicks off the cold earth and also kept the litter dry.

In well-ventilated, or loosely-built poultry houses and large-size coops, no special method of letting out the lamp fumes is needed. The limited amount of fumes will find their way out through the regular ventilators, through cracks or through a partly open window. This will be especially true later in the season, when the house or coop is not closed up tight at night.

For methods to carry out the lamp fumes from small, tightly-built houses or coops that have to be shut up tight in cold, stormy weather—especially at night—see FREE 52-page booklet "Best Methods of Brooding"—a copy of which will be mailed postpaid to any address on request.

"IN A ROOM, COLONY HOUSE OR DRY GOODS BOX"

Birchmont Poultry Farm, Montvale, N. J., July 18, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—I have used several makes of Hovers and after a thorough trial find the Cyphers Company Portable the most suitable. I am *especially pleased with the self-regulating feature* which avoids the necessity of visiting the hover several times at night to see that the temperature is not too high or too low, as is necessary in using a hover in which the temperature is to be regulated solely by raising or lowering the wick.

Being "portable", this Hover can be placed in a room, colony house or dry goods box and *worked satisfactorily in any situation* in which I have used it. Should I at any time require additional Hovers I shall certainly get the Cyphers Portable.

C. BOLLINGER.

When snow and ice disappear, when the ground gets dry and when *new vegetation* starts—then is the time to give the chicks an outdoor runway, in order to get them onto the friendly soil. By this time, in any climate, it is safe to locate a Portable Hover in a large-sized, draft-tight roosting coop, or in any well-built colony house.

As a rule the coop or house should be large enough and should have a high enough roof to enable the "caretaker" to enter the house and attend to the Hover and chicks with personal comfort and convenience.

Do not use too small or low-built a coop or house, otherwise the chicks will lack exercising room on stormy days when they are shut in, and as the chicks grow older, the air will become impure at night, especially on cold nights when the house or coop is closed up to keep out wind and rain.

"IN OUR VIRGINIA CLIMATE; LIKEWISE ALL THROUGH THE SOUTH"

Norfolk, Va., July 29, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—I ran three hatches with one of your 140-egg incubators in my dining room and the machine produced strong, beautiful chicks. I transferred my chicks to a Cyphers Portable Hover, which had been placed in an outhouse and *from a total of 274 White Orpington chicks* I lost only eleven from all causes.

There was plenty of light and air in the outhouse and I made a run of about 6 x 6 feet, which I bedded down with cut clover to about six

inches. In this pen I placed the Portable Hover, *with a frame over it, 3 x 3 feet, to conserve the heat*. I covered the frame with cheap domestic (muslin) to prevent drafts and help retain the heat during the night.

After about the third day I fed the chicks in deep-litter and *gave them practically no attention* beyond furnishing water, milk, charcoal, grit and food. Used your "deep-litter method" and fed them about once a week, using Cyphers Chick Food. By March 5th I was able to allow my chicks to *run outdoors on clover* that had been planted the previous September. At six weeks of age the chicks were placed on free range in colony houses.

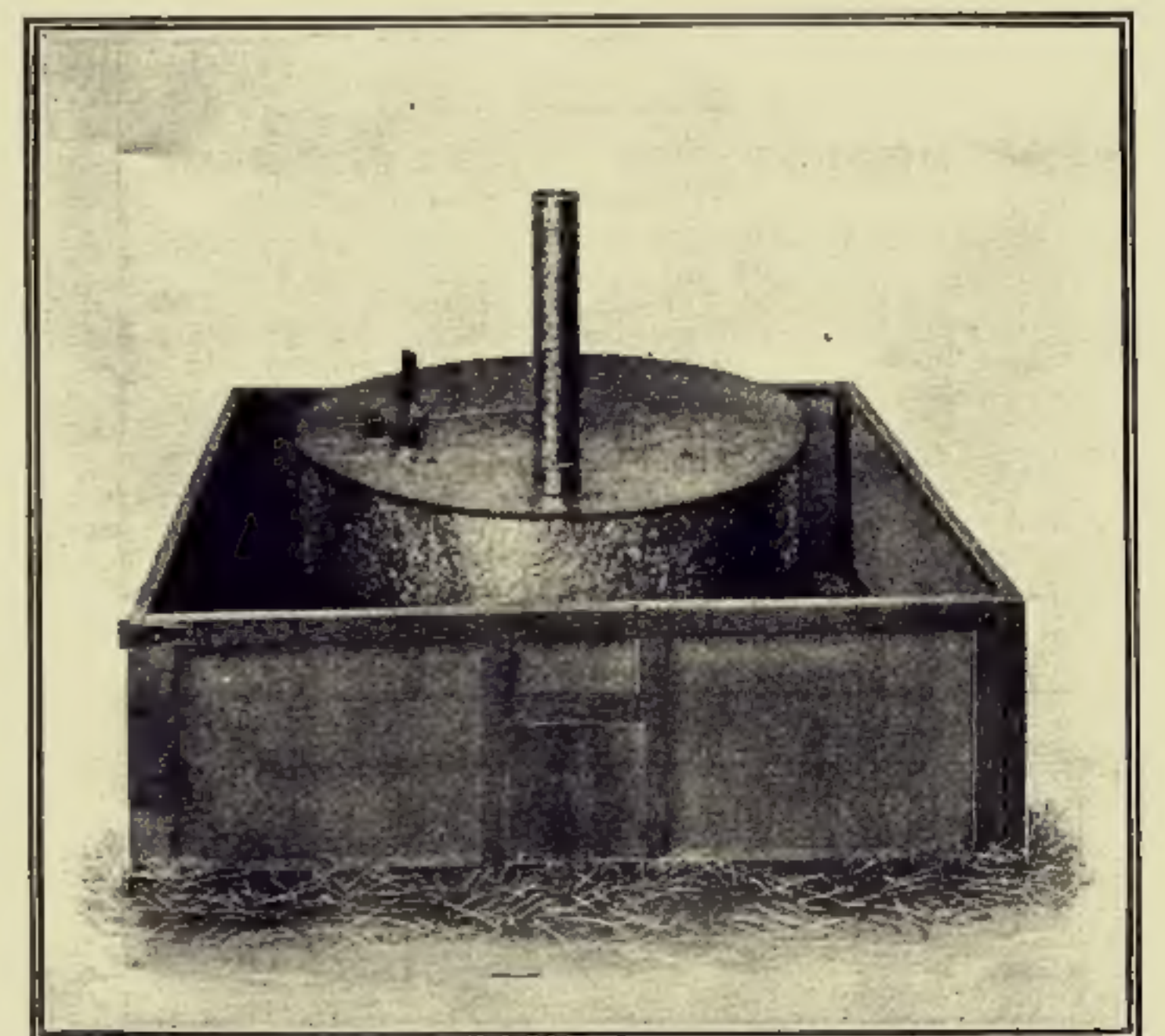
The Cyphers Portable Hover—*self-regulating and self-ventilating*—I consider one of the finest brooding devices ever put on the market. In our Virginia climate, likewise all through the south, I believe this Hover will be found all that is necessary to brood chicks successfully, *no matter how early they are hatched*. All that is required is a frame enclosure, covered with some light cloth to conserve the heat, with a good roof overhead to keep them dry. I propose to add more of these Hovers to my poultry equipment this fall and hatch out a big flock of chicks.

Under sanitary conditions I believe that with the help of Cyphers Portable Hovers, chicks can be raised *with practically no mortality*. Moreover, I have found that if fed your balanced-ration Chick Food, they will grow like weeds.

J. J. MARSH.

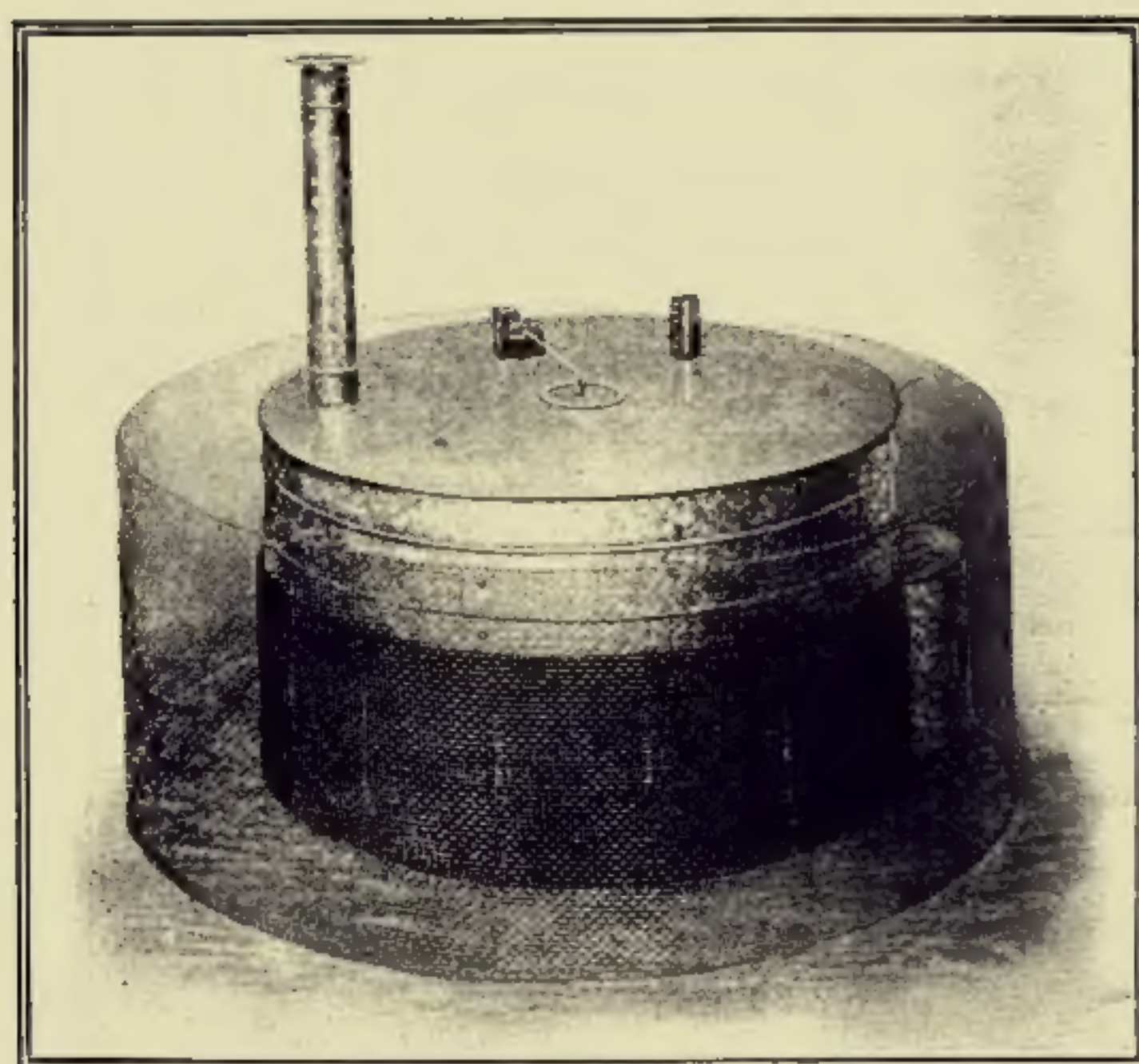
See picture below for a serviceable home-made, wood-frame, muslin-covered enclosure to confine young chicks or ducklings and to prevent floor drafts from entering the warm brooding space beneath the Hover. If frame is hinged at all corners except one, it can be folded up and put away safely for use another season. Hook the other corner in position with ordinary screw-eyes and hooks.

If the operator adopts Mr. Marsh's plan of not only enclosing this Hover on all sides, but also of *covering* it with muslin, and in addition to this will "bed" the chicks or ducklings with two to three inches of soft, dry litter, like hay chaff, short cut clover or alfalfa, dry lawn clippings or short-cut straw, the device will produce enough heat indoors to protect the inmates at night against a drop in room temperature well down below the freezing point.



LOW-COST MUSLIN FRAME ENCLOSURE

Enclosure like this can be made readily of thin boards, or of frames covered with muslin. Confines chicks or ducklings to safe limits while young and also keeps out floor drafts. If it is desired to keep in or "conserve" the heat, make the sides of enclosure high enough so that a muslin or burlap top can be placed entirely over the Hover, allowing the waste heat pipe to extend upward through hole or slit.



CHEAP "NIGHT GUARD" FOR YOUNG CHICKS

Consists merely of a strip of foot-wide, inch or two-inch mesh poultry netting in circular form, joined at ends and stood on edge around the Portable Hover to prevent very young chicks from wandering away from the heated brooding space at night, or during extra cold days. May be used to advantage at night-time even after chicks and ducklings are two or three weeks old.

CYPHERS INCUBATOR COMPANY

Factory and Home Offices, BUFFALO, N. Y., U. S. A.

BRANCH STORES AND
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BOSTON, MASS.,
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KANSAS CITY, MO.,
317-319 Southwest Boulevard

OAKLAND, CAL.,
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LONDON, ENGLAND
121 Finsbury Pavement

WHERE TO USE CYPHERS PORTABLE HOVERS

WHERE TO USE PORTABLE HOVERS with the least expense in money, with the greatest personal convenience, also with **best results** in the production of big percentages of healthy, quick-growing, vigorous chicks—this is a question that depends largely on "When" these low-cost brooding devices are to be used.

As is set forth on page one of this circular, if real winter conditions exist, it is better to use this type of Hover in a moderately warm room or brooder house. Operated in such quarters, **newly-hatched** chicks and ducklings can be raised with safety and convenience in the "dead of winter," so to speak, especially if cheap, home made enclosures are used to avoid floor drafts and to conserve the heat, as is explained and pictured on preceding page.

When winter merges into early spring and the first warm days arrive, it still is better to use Portable Hovers in **well-protected quarters**—it is better for the caretaker and safer for the chicks. Little chicks are both tender and ignorant during the first week or two of their lives. If allowed out of doors on cold, raw days, or during wet, stormy weather, they will "chill" in a surprisingly short time—which, as a rule, means stunted growth or death.

It is not necessary, nor is it good judgment, to take such chances. Our advice is, **be sure** to locate your Portable Hover (or Hovers) in a **safe place** and then keep it there

until it is **equally safe** to move it to some other location, provided you wish to move it at all. What is a "safe place" depends on how early in the season you want to begin to brood chicks or ducklings and what the weather conditions are in your section at that time.

As has been stated on page one of this circular, in cases where it is desired to raise or "start" newly-hatched chicks or ducklings by the use of any make of Portable Hover during severe winter weather, **other heat** is required, as a rule, besides that which is furnished by this type of brooding device; but when winter conditions have disappeared and only short "cold spells" and chilly nights are to be guarded against, then these Portable Hovers can be used with general safety and **excellent results** in ordinary non-heated poultry buildings, in portable or stationary colony houses and in large-sized roosting coops.

When real spring arrives it is **entirely safe** to locate five, ten, twenty or more Portable Hovers in a long poultry house—like a regular brooder house, so-called—or two, four or half a dozen in a colony house, or one or two in an average-sized, 6 by 6-foot or 5 by 6-foot portable house, or a single Hover in a 4 by 6 or a 3 by 6-foot high-roof colony roosting coop. By this time of year each pen or flock of chicks should have an outdoor run, extending to the south or east and protected from driving winds.

For the average poultry keeper who wishes to raise fifty, one hundred, two hundred or even five hundred chickens, there is no **better plan**, when moderate spring weather is at hand, than to locate one or two Portable Hovers in one or more well-built, ordinary-sized portable houses (ranging from 5 by 5-feet up to 6 by 8-feet), putting the newly-hatched chicks under the Hover or Hovers and giving them the use of **this amount** of artificial heat **as long as they need it**, day or night, or both.

Then when the time comes that the chicks do not need this extra heat, even at night time, remove the Hover or Hovers and let these chicks **remain where they are**—in the same house in which they were brooded—until it is time to market them as broilers, or to separate the sexes. If the portable house or colony coop is large enough and is well-ventilated, you can use two Hovers in it while the chicks or ducklings are but a few days old, thus saving labor and time. Later, as the chicks grow older and harder, you can remove one Hover and allow the entire flock (both lots) to grow up in this same house until it is time to market or separate them.



PORTABLE HOVER IN ORDINARY HEN HOUSE

C. Bollinger, Montvale, N. J., used his Cyphers Portable Hover in an Ordinary Small-sized Single-wall Poultry House, as shown in this picture, and was particularly well pleased with the Self-regulating Feature of the Device—see his Report on preceding page.

"I KEPT IT IN A CORNER OF THE DINING-ROOM".

Mt. Kisco, N. Y., July 15, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—
The Cyphers Portable Brooding Hover is all that you claim for it. I am very well satisfied with mine and **several friends of mine** who also purchased one of these Hovers are just as well pleased.

This season I hatched 400 chicks in your Cyphers Incubators and kept each hatch **about four weeks** in the Portable Hover, after which they were transferred to colony houses. I have not lost a chick this season on account of any reason that could be ascribed to the Hover. In other years **my losses have run fully 40 per cent.**, on account of poor brooding facilities.

I had as high as 104 chicks under my Portable Hover at one time and they did not appear to be overcrowded. The Cyphers Portable Brooding Hover is very **roomy**, and holds more chicks than any other brooding device I ever saw. It also burns less oil than any other brooder I ever used. The Portable Hover is **very handy** to use and can be **set anywhere**. During February, March and April I kept it in a corner of the dining room, using an old door set on two boxes to keep it off the floor and out of drafts. After the weather started to warm up I placed the Hover in **one of the pens of my poultry house**, right on the earth floor, with only a small amount of litter and the chicks have done fine. Next spring I intend to use Portable Hovers exclusively. S. W. BELLMEYER.

Not everyone will want to keep chickens in their dining-room, not even little fellows just hatched; but there are other places in many dwellings where a space can be divided off with low, board-and-wire partitions for **starting** the early-hatched chicks, thus keeping them safely indoors until it is warm enough to trust the chicks out in hen houses, colony coops or other buildings that do not have artificial heat.

When the time comes to move the chicks, the Portable Hover also can be moved to the new quarters, provided the chicks still need its heat. Early in the season, one or more lots of chicks can be started with safety and profit in this way—the **extra-early ones**; but when March, April and May come along, the Portable Hover itself can be placed in an ordinary poultry house, in a barn, closed shed or large-sized roosting coop and newly-hatched chicks may be put under it at thirty-six to forty-eight hours old, when they are taken from the incubator or are received as day-old chicks from an express company.

"FOR THE BRANCH FARMS THROUGHOUT THE DOMINION".

DOMINION OF CANADA—DEPARTMENT OF AGRICULTURE.

DOMINION EXPERIMENTAL FARMS.

J. H. Grisdale, B. Agr., Director.

Poultry Division:

F. C. Elford, Dominion Poultry Husbandman.

Central Experimental Farm,

Ottawa, Ont., November 26, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

We used one of your Cyphers Portable Hovers at the Central Experimental Farm last season and **found it most satisfactory**. The three points that make it so satisfactory are, convenience in moving, **plenty of heat** and good ventilation.

We have ordered a **number more** for the Branch Farms throughout the Dominion. Very truly yours,

F. C. ELFORD,

Dominion Poultry Husbandman.

AT MISSOURI STATE POULTRY EXPERIMENT STATION ALSO.

MISSOURI STATE POULTRY EXPERIMENT STATION.

Mountain Grove, Mo.

T. E. Quisenberry, Director.

DEPARTMENTS: Poultry Institutes, Poultry Bulletins, State Poultry Show, Poultry Statistics, Co-Operative Experiments, Investigation and Instruction, Educational Exhibits.

Mountain Grove, Mo., April 18, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

We have just been trying out two of your new Portable Hovers, and like them **very much**. My brooder man seems to think they are one of the best things that has been manufactured in the line of Brooders and Hovers. They are **giving us excellent results**. Very truly yours,

T. E. QUISENBERRY, DIRECTOR.

IN 6 BY 8-FOOT OPEN-FRONT COLONY HOUSE.

Hillhurst Farm, Poultry Department.

Orchard Park, N. Y., June 27, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

No doubt you remember our purchasing one dozen of your Portable Brooding Hovers last spring. The brooding season being over, possibly you will be interested to know that they **have given entire satisfaction**, in fact, we found them to be the best and **most practical Hover** we ever used and we **have used a number of different makes**. The Cyphers Portable Hover is **convenient and easy to care for, economic in operation**, and supplies an abundance of heat.

Our Hovers are operated in our 6 x 8 ft. open-front colony houses, and we find it very convenient to have the lamps indoors so that the work can be done inside the house. We usually put two Hovers in each colony house, about six or eight inches apart, and put about 75 chicks under each Hover. We have put more than this under a Hover with good results, but think 75 is better. The Cyphers Portable Hover has the same **easy and reliable regulator** that has always distinguished the Cyphers Adaptable Hover, and for anyone needing a **self-ventilating, practically automatic** Portable Hover we know of nothing that equals the Cyphers. HILLHURST FARM.

JOHN B. CASTERLINE, Mgr.

In March, April, May and June, in northern latitudes, in February, March, April and May in the south and in the Pacific Coast, it is both **safe** and convenient to operate Cyphers Self-regulating and Self-ventilating Portable Hovers in colony houses like the one illustrated at the bottom of this column—cut made from photograph kindly furnished to us for the purpose by Mr. Casterline.

Please read with due care **all** that is said in the foregoing report, because every statement made is important and may well **mean dollars to you, reader**, in the way of saving big chick losses and wasted efforts during the present season. That sentence, "The Cyphers Portable Heater supplies an **abundance of heat**," is a vital point; also the statement that this device is "self-ventilating" and "practically automatic." As near as it is possible for an article of the kind to do so, this Hover will take care of itself and the chicks, **day and night**, supplying enough heat, but not too much, besides furnishing fresh, moderately-warmed air to the chicks at **all times** for them to breathe when they are resting or asleep under the Hover.

It is this **warmth**, plus a continuous supply of **fresh air**, that insures health and vigor for the chicks. Without these elements of **life** and **growth** the chicks will weaken and die or become "stunted," which is almost as fatal to real success, to the looked-for **net profits** on your investment and the season's work.

IN "A SPARE FRAME LAYING AND ROOSTING HOUSE".

74 N. Broadway, Irvington, N. Y., June 26, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

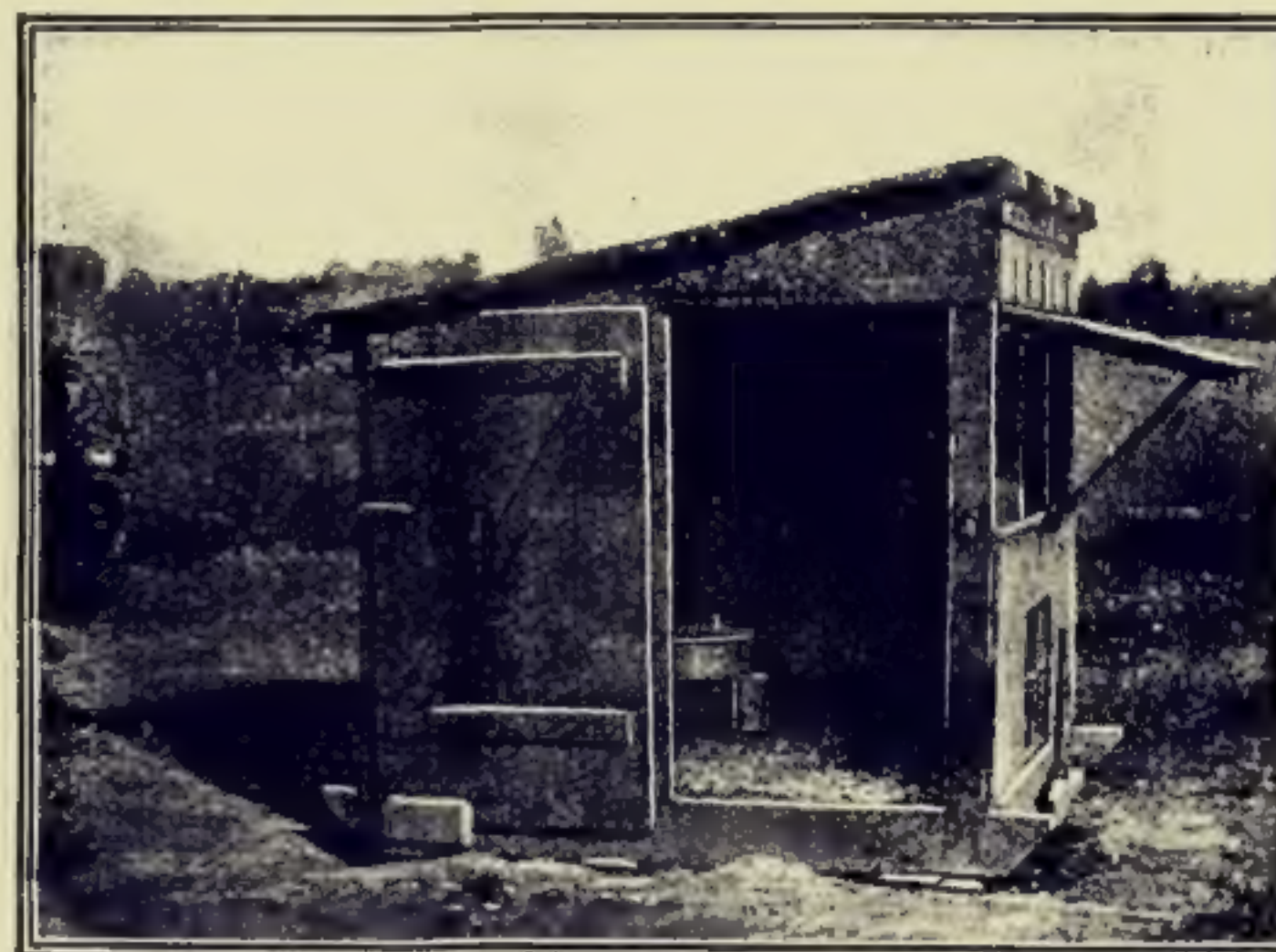
Out of 62 chicks hatched out in March in one of your No. 1 size incubators and transferred to one of your new Portable Hovers, we have not lost one, and still have the 62 strong, healthy chicks, which speak well for the Hover.

We utilized a spare frame laying and roosting house, with concrete foundation walls and floor, for the purpose. The Hover was placed on boards, and the rest of the floor was covered with fine chopped hay, amongst which the food was scattered, giving the chicks plenty of room and opportunity for scratching.

I sent for a second Hover, which was used in connection with the second lot of 61 chicks hatched out of the same incubator in April. The chicks were allowed to remain in the Hover about six weeks, when we found some of them roosting on top of the Hover, and therefore took the Hovers away.

The result from using these Cyphers Portable Hovers indoors has been much more satisfactory in the percentage of chicks raised than with the outdoor brooders of which we have had several.

CHAS. EDDISON.



IN LOW-COST SHED-ROOF POULTRY HOUSE

For either cold or warm weather use there is no better way to brood and raise chicks in separate flocks of fifty to seventy-five than is here illustrated. Build a simple, shed-roof house, 5 x 5 or 5 x 6, or 6 x 6, or 6 x 8 feet, using low-cost or waste lumber; cover with "prepared," wat proof roofing and provide a good-sized muslin-covered or glass window, depending on latitude and on time of year house is to be used. Place house on 2 x 4 "runners" if desired, so it can be hauled to fresh ground. Construct a board floor, or fill in with soil, sand or gravel. Then install a Cyphers Self-regulating, Self-ventilating, All-metal Portable Hover and you will have a place where the chicks will be safe, comfortable and quick-growing, with plenty of house room for health-giving exercise on extra cold and stormy days when it is best to keep them indoors.

"SHALL BUY SEVERAL MORE THIS COMING SEASON".

264 Oak St., N. Abington, Mass., Oct. 23, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

In January 1913, at the Boston Poultry Show, I purchased one of your Self-regulating, Self-ventilating Portable Hovers. On the 22nd of April I put 108 White Barred Plymouth Rock chicks in this Hover and **thanks to its satisfactory work**, have raised to maturity 92 of those chicks. At this writing the pullets are laying.

I have used several other makes of hovers, giving them fair trials, but have decided that your Portable Hover is **the best individual brooding device I have ever used**. I can cheerfully recommend the Cyphers Portable Hover to anyone contemplating the purchase of equipment of this kind. I myself shall buy several more of your Portable Hovers this coming season. G. H. MESERVE.

"ARE ALL YOU CLAIM FOR THEM, AND MORE".

Las Animas, Colo., June 30, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

It is with pleasure that I am able to say that your Portable Hovers are **all you claim for them**, and more. I now have 550 fine S. C. White Leghorns and all were brooded in a Cyphers Portable Hover. During the entire season I have **lost only three chicks** in these Hovers, which in my opinion, speaks worlds of praise for these Portable Hovers.

For the coming season I shall use at least one or two more No. 2 or No. 3 Standard Cyphers Incubators and as many Portable Hovers as are needed to properly care for the chicks. Have never before found as **satisfactory a way to brood chicks** and do not see how this method could be improved upon.

Let me add that my 550 White Leghorns were obtained from **three hatches** in a No. 2 size Cyphers Incubator. Have found this machine trustworthy in every respect. My chickens are also very fond of your balanced-ration poultry foods—especially your Chick Food and Laying Mash and **results have proved** the high value of these products. J. L. DEVER.

"FINEST LOT OF CHICKS OF THEIR AGE HE EVER SAW".

White Plume Poultry Farm,

Fitzwilliam Depot, N. H., May 15, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

The two Portable Hovers you sent me, per order of Chas. E. Perry, **have done good work indeed**. They have taken care of 200 White Leghorn and White Wyandotte chicks that now are five weeks old and Mr. Perry reports that they are **the finest lot of chicks of their age** that he ever saw. You can count me as one of your satisfied customers. Our experience has taught us that your Portable Hovers are all right—that **they will do the work claimed for them**. W. E. BLODGETT, Prop.



REMOVING LAMP FOR REFILLING

From Photograph, Showing Operator Removing Lamp from double wall, circular lamp-box of Portable Hover. Lamp holds two quarts of oil and will burn forty-eight to ninety-six hours, depending on height of flame. Has metal chimney, extension chimney-holder to prevent burning of fingers, guiding for centering chimney and extension thumb-screw for raising and lowering flame. Lamp box is constructed without the use of solder and is oil-tight and flame-tight.



PORTABLE HOVER IN COLONY HOUSE

Photographic View Showing One of the Twelve Cyphers Portable Hovers Operated in Colony Houses at Hillhurst Farm, Orchard Park, N. Y. See report above—in this column. Hover sets on floor of house and can be moved for cleaning floor, or can be taken away entirely, on a moment's notice. Chicks can be left in this same house until fall, if desired, or until the sexes are separated.



CLOSING DOOR—VIEWING LAMP FLAME

From Photograph, Showing Operator in act of closing circular sliding door to oil-tight and flame-tight lamp box. Circular door opens and closes by revolving inside the outer wall of box. In this position, or when standing erect, operator can view the lamp flame through a mica-covered sight-hole located in top of lamp box—see Picture. Lamp box is raised above level of floor so that it rests flat on sand, earth or litter.

HOW TO USE CYPHERS PORTABLE HOVERS

CYPHERS INCUBATOR COMPANY takes the position that it has a plain duty to perform in telling its customers *how* to use goods of its manufacture to *best advantage*. We would not feel that we were giving "value for value" if we did not do all we can to help our customers get the best results possible from goods they buy of us.

And we go much farther than this. We not only aim to discharge the obligation of telling our customers "when, where and how" to use Cyphers Company products to best advantage, but because of the belief that *our success* depends, first to last, on the *success of our customers*, we also supply them, free of cost, with a large amount of reliable poultry information of general character, which cannot fail to be of great help to them in their poultry work.

That is why we established our "Free Bulletin" department; that is why we conduct a "Free Personal-Letter Service," in charge of well-known experts in practical poultry keeping; that is why we publish eight valuable chapters on down-to-the-minute poultry advancement in each of our annual main catalogues; that is why we compiled, at large expense, the two best *free poultry booklets* ever printed to date, "Poultry Foods and Feeding" and "Best Methods of Brooding," and that is why we are to issue in March, 1914, another highly valuable *free booklet* to be entitled "The Cyphers Company Poultry Doctor Book."

Broadly speaking, there are three necessary steps to be taken by this company for the *greatest success* of its customers and in its own proper interest, as follows:

First, we must do our utmost to design and manufacture the *right kind* of goods—in every case "the best, the most practical article for the purpose" and each article to be of standard quality.

Second, we need to *fully advise* the purchasers of these goods "when, where and how" to use them for *best results*.

Third, we should find a way to supply *all comers* with reliable poultry information of a general nature that will help them "start right" and "go right" in their efforts to make money in any branch of the poultry industry.

In brief, reader, that is the plan on which Cyphers Incubator Company is developing its trade—that is the broad yet *simple basis* upon which this company has built up, during a period of sixteen years, by far the largest incubator and poultry supply business in the

world. Back of our success, and the *true reason* for this success, has been, *and is today*, the success of Cyphers Company customers. Years ago we began to sell every article of our manufacture on the basis of "personal satisfaction guaranteed or your money back" and at about the same time this phrase was coined by us and adopted as a rule of action: "Every Cyphers Company customer a Cyphers Company friend."

PLEASE SEND FOR THESE FREE BOOKLETS.

The question of "how" to use Portable Hovers to "best advantage" is answered briefly in this circular, by actual users of this type of brooding device, also in our introductory remarks and comments, but for *detailed instructions* on exactly how to handle chicks and ducklings that are to be brooded by artificial means, do not fail to secure *your free copy* of our 52-page booklet, "Best Methods of Brooding" and at the same time be sure to send for a free copy of "Poultry Foods and Feeding," another 52-page booklet, also 7 1/4 by 10 inches in size.

These two booklets explain step by step *what to do* in the successful brooding of chicks, and also just what and how to feed, *day by day*, in the profitable production of broilers, fliers, roasting chickens, capons, layers, breeders, green ducks, breeding ducks, etc. Each of these booklets should be worth a *five dollar bill* to every man and woman who is earnestly striving to make all the money possible out of the production of poultry and eggs, either for home use or for market, but they are "free for the asking"—you to be the judge of their *practical value* when you receive your copy of each booklet. To save time, address our place of business nearest to you—see next page.

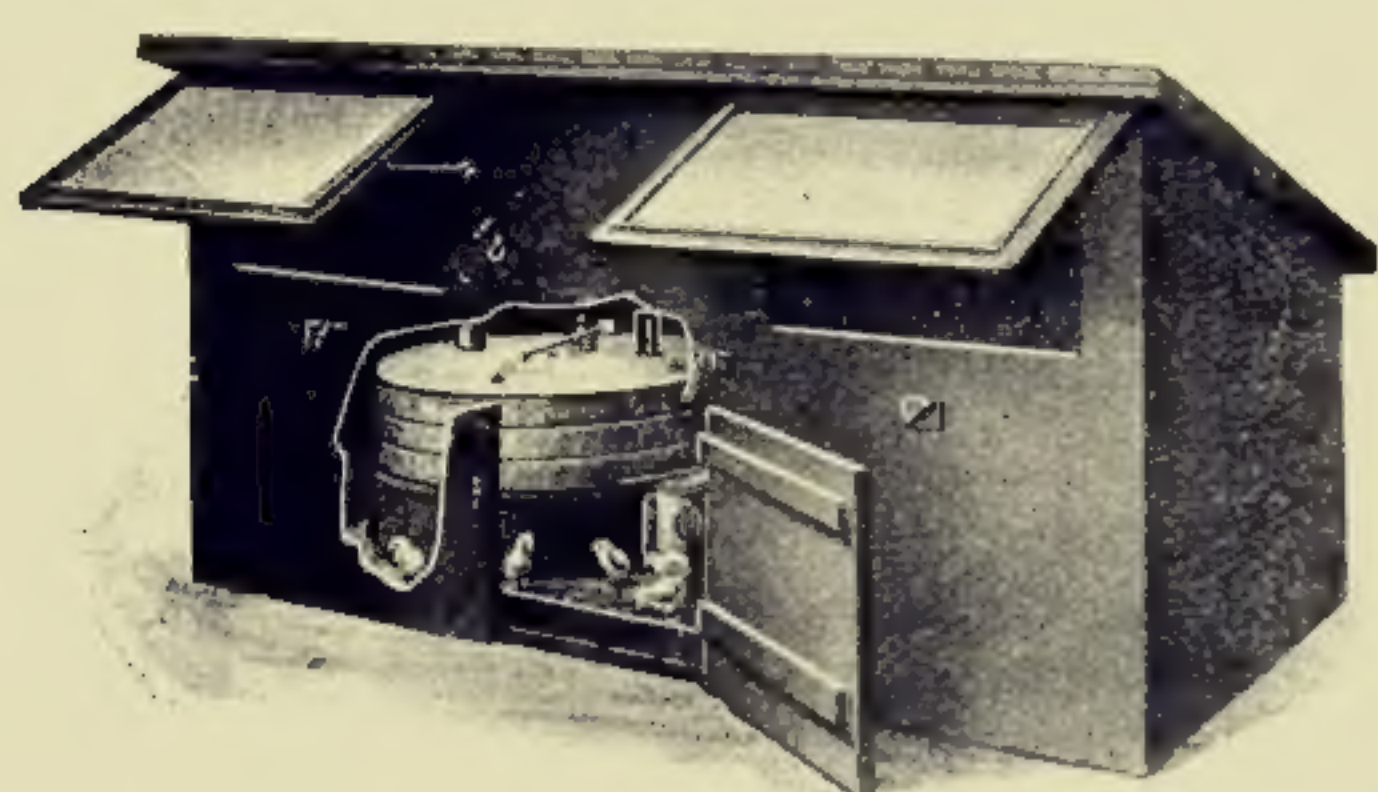
PROTECTION FROM DANGEROUS FLOOR DRAFTS.

When using Portable Hovers in a living room or other large apartment *early in the season*, there is but one special danger for you to be on guard against—and that is, floor drafts. Heat rises to the ceiling and is cooled there or finds its way out through cracks, ventilators, tops of windows, etc. On the other hand, cold air comes in at all openings near the floor and this cold air moves along the floor in cold currents, often developing into drafts that are easily felt, even by persons whose feet are warmly dressed.

It is these floor drafts, early in the season, or while cold or "chilly" weather lasts, that prove harmful to chicks that are on the "floor level"; therefore some simple, low-cost, but *practical* plan should be adopted to prevent these currents of cold air from reaching the warm brooding space underneath the Hover, especially at night. How to do this is illustrated on page one of this circular and a safe method is explained by Mr. Marsh, on same page.

Another good plan is to locate the Hover in or near a corner of the room, and then simply stand two wide boards on edge, at a right angle or nearly so, using the *two walls* of the room as two sides of a four-sided enclosure around the Hover. Furthermore, it is easy to make a three-sided enclosure by using three pieces of wide board of convenient lengths and locating the Hover near one wall; or a four-sided enclosure can be used and the Hover placed out away from the walls, the enclosure to entirely surround the Hover.

Any one of these simple and inexpensive methods will serve the purpose while cold, chilly weather lasts, or if but one Hover is to be used and the chicks are very young, the Hover can be located on a temporary platform of some kind, as was done by S. W. Bellmer, Mt. Kisco, N. Y.—see page two herewith. This plan brings the young chicks and the Hover up to a height where it is extra convenient to take care of them.



PORTABLE HOVER IN COLONY ROOSTING COOP

A Portable Hover should not be used in a coop that is too small to give the chicks plenty of fresh air to breathe when the coops are closed for the night, or on stormy days, or in a coop that is so small that the caretaker cannot attend to the chicks and Hover and clean out the coop with convenience. A roosting coop 4 x 6 feet is about as small as we would advise. The coop shown herewith, known as the "Cyphers Company Muslin-Front Colony Coop" is 4 x 6 feet on the ground, 36 inches high in front and 24 inches at rear. During April, May and June a Cyphers Portable Hover will do satisfactory work in this enclosure. Gives ample room for 50 chicks, with excellent ventilation. Easily moved to new location and fresh ground.

ARE BETTER THAN HENS IN MANY WAYS.

Beallsville, Ohio, June 26, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

As to the working of the Portable Hover purchased of your firm some time ago, I am pleased to say that *it is all you claim for it*. I raise bantams exclusively, as a recreation from my regular business, aiming to raise about one hundred each year. Had always used hens for incubation, mostly Silkies, but have never had an entirely *satisfactory hen as a brooder*.

First, it is almost impossible to keep hens *free from lice*, and even a small hen will trample the little chicks, more or less.

I cannot let the mother-hen run and they soon get *restless in the coops*. This means that they are sure to trample and kill any weak chicks, especially if the little ones get sick.

Then again, bantam chicks are troublesome about staying in or near the coops with the mother hen after the first two weeks. They get into neighboring coops and a blow or two from an angry hen's beak, is *death to a bantam chick*.

But the chief objection is that *on chilly days* the hens *won't hover the little chicks enough*. This Portable Hover, however, "is always on the job"—it has no lice, does not trample the chicks, is ready to warm the little chicks at all times, spills no water in the litter and I can swear that mine never yet has picked a single stranger chick!

Moreover, it does not scratch and kick the litter all about, knocking the little ones "forty ways" at each stroke. It eats up no expensive tidbits which the little ones need, nor does it wander off into the tall grass, into wet places or into dangerous localities.

HARRY BRIGGS,
Breeder of Golden Sebrights, Black Rose Combs
and Black-tailed Japanese.

Very few poultry raisers—like farmers' wives for example—go to the trouble of keeping track of the number of chicks that are killed or "lost" each season by mother hens. If records were kept of these losses, most people would be surprised at the high percentages.

In the case of brooder and hover chicks it is an easier matter to note the losses. As a rule, the chicks are right there before you, alive or dead. All things considered, it is certain that when standard equipment is used and right methods followed, the loss in chick life *is far less* where the brooding is done by artificial means than when hens are relied on as brood mothers.

Mr. Briggs found this to be true in raising bantams and it would have been practically the same if he had been handling ordinary chicks by the hen-method. Thousands upon thousands of poultrymen and farmers' wives have found this to be the case and now they limit the activity of their hens to the laying of eggs, while all hatching and brooding each season is done by the use of incubators, brooders and hovers.

"SAFER THAN WITH HENS—EASIER TO LOOK AFTER".

Methuen, Mass., May 20, 1913.

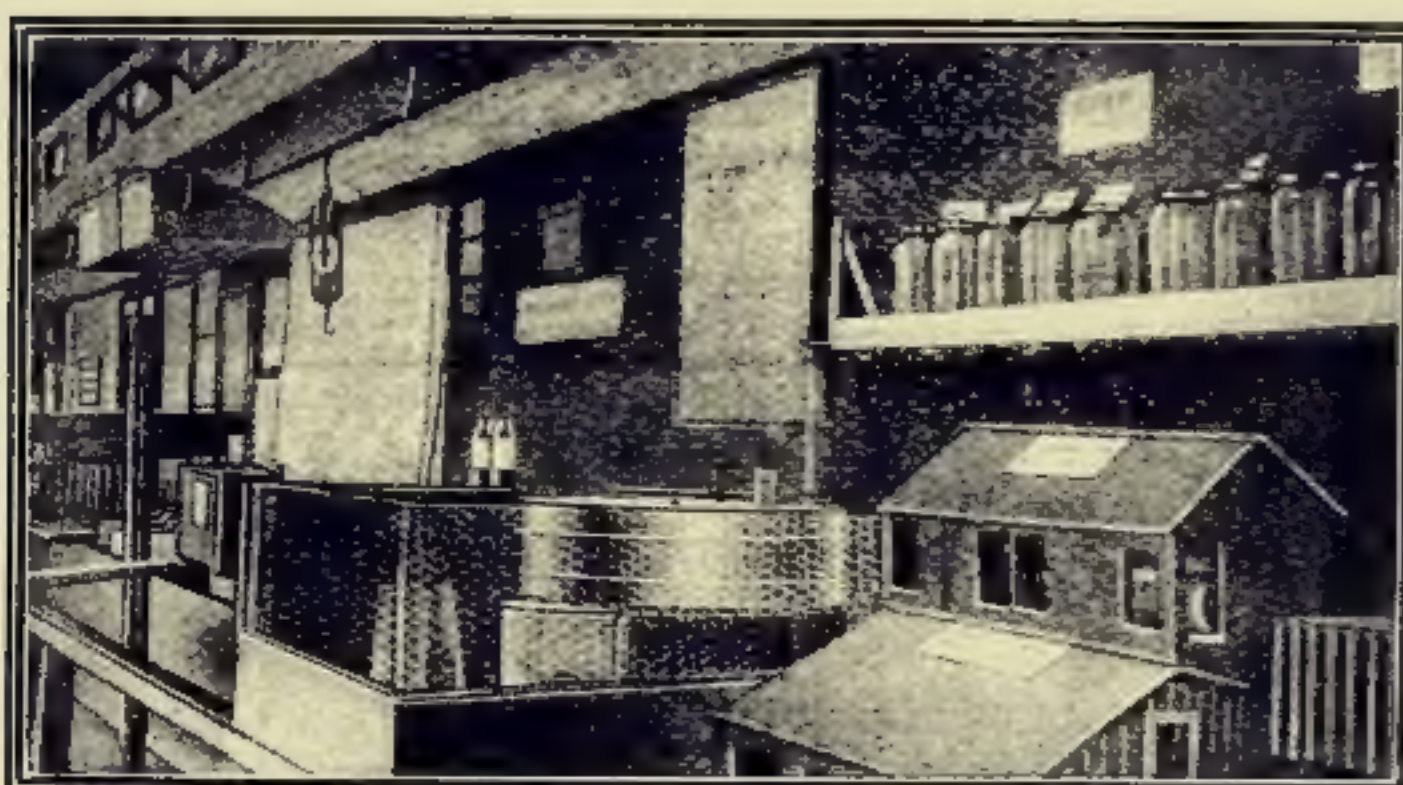
Cyphers Incubator Co., Buffalo, N. Y.—

I bought one of your Self-regulating Portable Hovers to test its usefulness and I am *very proud of it*. Am glad to be able to report that *it works fine* and does all you claim for it.

It will please you to learn that I have now tested this Portable Hover during four weeks and I *have not lost a single chick*—not one. Have never before found, or heard of, so easy a way to take care of little chicks. They are safer than with hens and much easier to look after.

Allow me to add that I *greatly value* your annual catalogue. It is proving a great help to me in caring for and raising my chicks.

MRS. JOS. SEVIGNEY,
30 Clayton Avenue.



Cyphers Portable Hover as Part of Exhibit in the "Better Farming Special" Car, Ontario, Canada, as illustrated at right herewith. All cost was paid by the Dominion Government.

"SEVENTY-FIVE TO EIGHTY CHICKS ARE ENOUGH".

East Windsor, N. Y., July 2, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I will tell you of the success I have had with one of your Portable Hovers. I placed it *in an old piano box* with 102 White Leghorns and at the age of four weeks I had *eighty-six*. Eight were taken by hawks that I know of. I think that *seventy-five or eighty chicks are enough for one Hover*.

Last year I raised only about one-half the number of chicks I hatched, doing this without a brooder and I *had to work much harder* than this season. The Portable Hover is a labor saver and a chick saver.

Next season I *shall buy one or two more* of these Hovers. Once tried, a busy man does not want to get along without them.

C. T. SITTERLY.

The question, "How many chicks can be entrusted to one Hover with safety?" is not simply a matter of the "size" of the Hover, or the "roominess" of the brooding space; it is a question of how *many* chicks can be raised in one lot or flock with *best results*.

Long experience has taught well-informed poultry raisers that ninety to one hundred chicks can be placed together, with safety, when first hatched, and this number may be left in one "brood" or flock four or five days, but by the time they are a week old these large broods, especially during the early part of each season, should be reduced to fifty or sixty chicks each, provided you are anxious to raise practically all of them and to have them do well, first to last.

As the season advances and the weather gets warmer and less changeable, these large broods of chicks can be left together for a longer period, but during cold weather the stronger members of each flock will crowd and trample the smaller and weaker chicks, in case there is not enough warm, comfortable brooding space for all. It will pay you to remember this fact in raising early or extra valuable chicks or ducklings.

BY THIS PLAN HE KEEPS TWO HUNDRED CHICKS TOGETHER.

Seville, Ohio, June 13, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

The ten Portable Hovers purchased of you this spring *have given excellent satisfaction*. They are far ahead of any other brooding device I have ever tried, in that they furnish more heat, have more room and are economical in fuel.

In the raising of my utility White Leghorns, I often take chicks from the brooder house to the colony houses *while they still need heat*. At this time of year our Portable Hovers are placed in the colony houses, the Hover curtains first having been removed and in this way they furnish the necessary heat for as high as two hundred chicks per Hover.

F. V. LEHMAN.



Part of Educational Exhibit made at Ottawa Agricultural Fair, 1913, by Poultry Department of the Central Experimental Farm, Ottawa, Ontario, Canada. See report on opposite page.



HOW "NOT TO USE" PORTABLE HOVERS

These two Cyphers Portable Hovers are owned by a customer of ours—a customer whose valued report is published in this circular. After these Hovers had given fine satisfaction all spring (1913) they were set "just outside the colony house", under a tree and were left there several weeks, in all kinds of weather. The "hired man" did it, as we happen to know, but the question is: Will these same two Hovers prove to be really self-regulating this coming season, after having been "left out in the rain" two or three months? The tall waste-heat and fume pipe is readily detachable and it is an easy matter to store away a small "portable" device of this kind in a dry place where it will be safe from injury until needed again. Treated in this manner a Cyphers Portable Hover will last a lifetime.

When the chicks require but little heat, as is the case under the conditions described by Mr. Lehman, they can "shift for themselves," so to speak, and will not crowd or trample one another, but will spread out comfortably and remain in that way. A sure sign of "comfort" on the part of chicks or ducklings is to see them "spread out"—not bunched together or "piled up." Watch the chicks—they form a good thermometer.

"WE FOUND IT TO GIVE ENTIRE SATISFACTION".

POULTRY DEPARTMENT—ONTARIO AGRICULTURAL COLLEGE.

G. C. Creelman, B. S. A., LL. D., President.
W. R. Graham, B. S. A., Professor of Poultry Husbandry.
A. C. McCullough, B. S. A., Demonstrator in Poultry Husbandry.
Guelph, Canada, October 1, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

Replying to your recent communication would say that you will remember we were somewhat late in getting the Portable Hovers which we ordered from you last season and on this account our experience with them does not cover the early season. I must say, however, that during the time we used them we found them very satisfactory *both as to convenience and heating capacity*, and the chicks put in them *did well*. We used one of these on the "Better Farming Special" train and would say that we found it to give *entire satisfaction*. The cars in some instances were not handled gently by any means. In fact, in one or two cases everything that was movable in the car shifted several feet. The Hover, of course, was confined to a space about three feet square and simply slid around in this.

Yours truly,
W. R. GRAHAM.



"Better Farming Special" train sent out through Southern Ontario by Government Agricultural College, Guelph, Ontario, Canada, summer of 1913. Note report of Prof. Graham above.

WHY CYPHERS PORTABLE HOVERS GIVE GREATEST SATISFACTION

HEREWITH IS "summed up," necessarily in brief form, the numerous advantages and special features of the Cyphers Portable Hovers, as a practical and satisfactory brooding device:

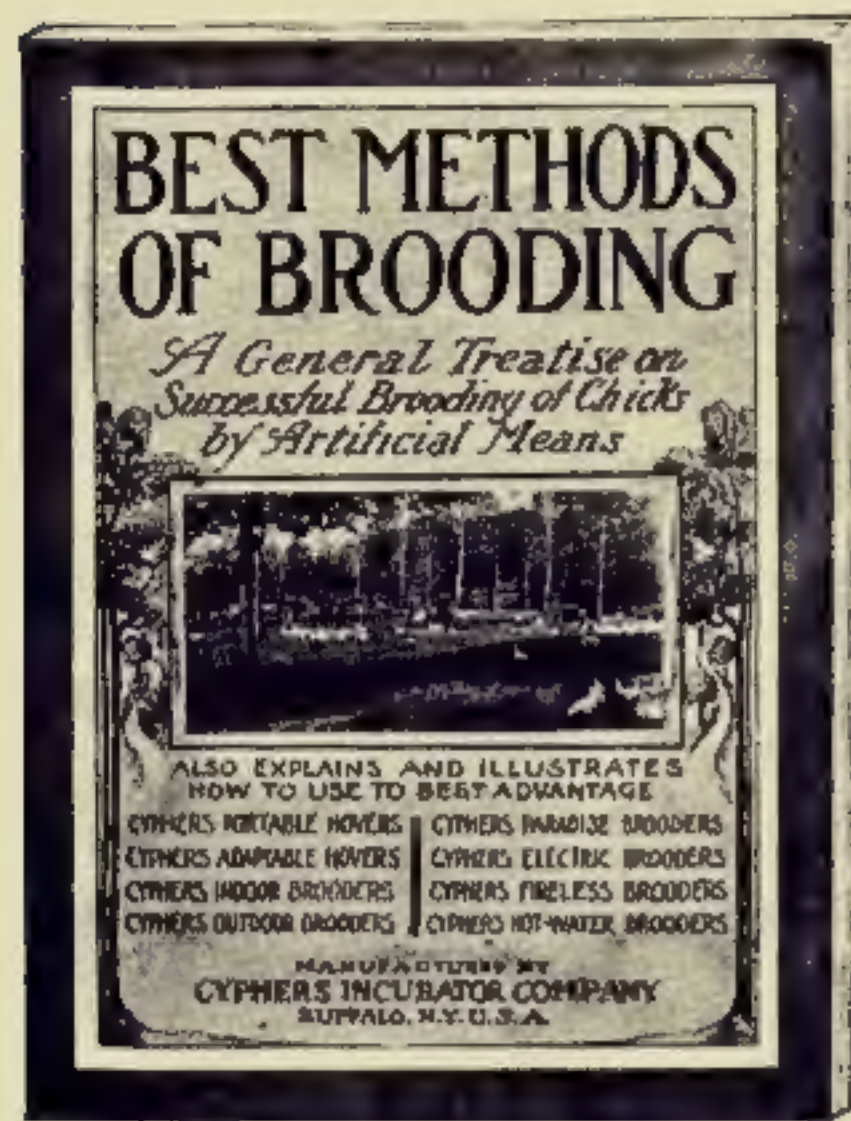
FIRST, it is Portable, meaning "movable." Can be picked up at any time—hover, lamp box, lamp, regulating device, all complete—and moved to a new spot or to any place the operator may desire, and the Hover will continue in operation right along. Lamp need not be removed at this time, nor the wick so much as turned down. Is very convenient for cleaning—simply set it to one side; also for moving the chicks from one location to another.

SECOND, it operates on the floor level, using littered floor of room, chick runway, colony house, roosting coop, etc., as the floor of the Hover, with the result that the chicks do not have steps or an incline to travel up and down. Hover itself, including lamp box, rests on the same floor that the chicks use. This helps to prevent newly-hatched chicks and ducklings from getting "lost," by making it easy for them to find their way back to the warm brooding space.

THIRD, it can be used indoors anywhere, with or without a special enclosure, by simply setting it down on floor of any room or other apartment. The question of whether or not some form of enclosure is needed, is decided by weather conditions. See illustrations on page one of this circular, also in free booklet, "Best Methods of Brooding." Used indoors during average spring weather (in a dwelling, poultry house, barn, closed shed, colony house, large roosting coop, etc.) it does not require a special brooder case or box of any kind, but can be used just as it is received from the factory.

FOURTH, it is self-regulating, which helps in large part to prevent the chicks from becoming chilled or overheated, especially at night. The regulating device on a Cyphers Portable Hover will take care of a sudden change of temperature of twenty to thirty degrees and it is seldom that a greater change than this occurs over night, or within a period of twelve to twenty-four hours. All regulator parts are of metal and if protected from rain will last ten to twenty years.

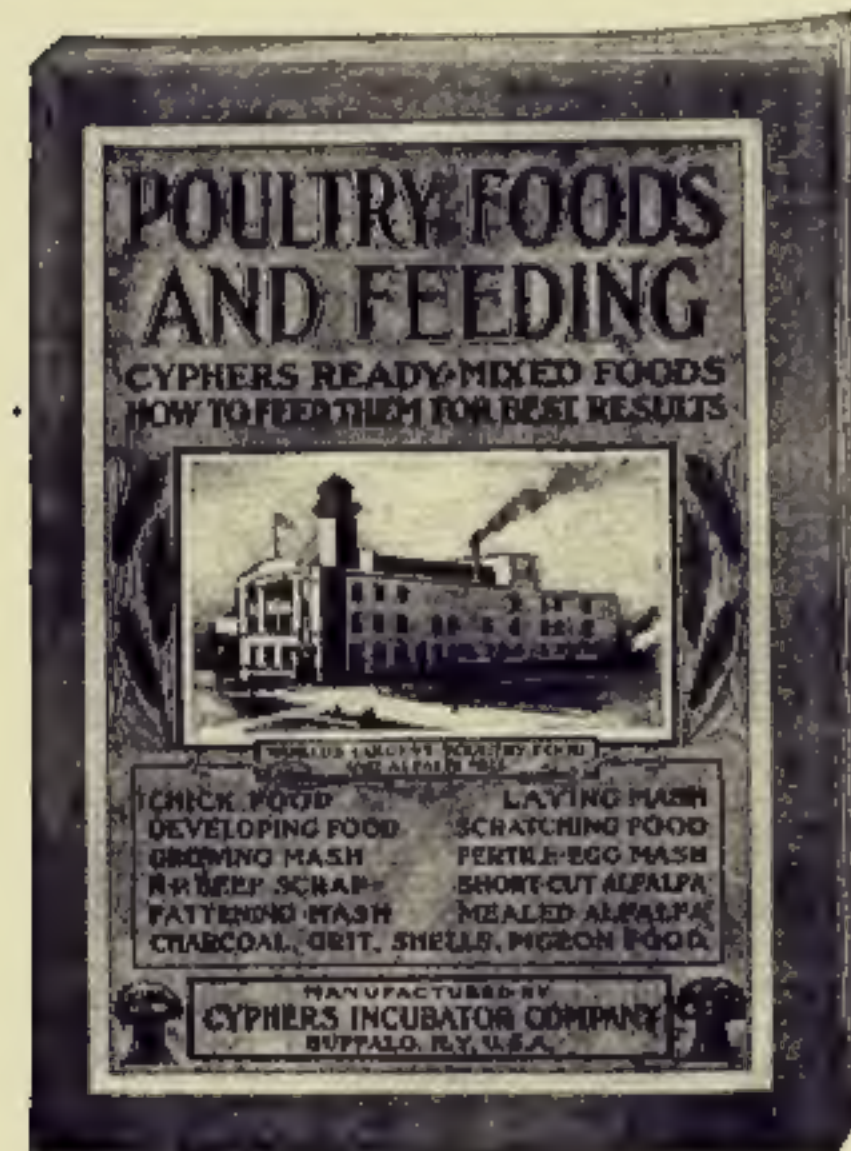
FIFTH, it is infallibly automatic in ventilation—a patented feature which renders impossible the trapping of "dead air" or poisonous gases in the space underneath the curtain, where the chicks hover day and night and must be provided with a continuous supply of life-supporting, health-giving oxygen in the form of fresh air, if they are to develop into strong, vigorous, quick-maturing birds. This feature is of the highest importance. Little chicks cannot stay healthy or grow rapidly unless they have fresh, pure air to breathe.



TELLS YOU JUST WHAT TO DO

Explains, step by step, How to Care for the chicks from the Moment you Light the Lamp until the Half-grown Chicks are Well able to Look out for Themselves. Contains 52 pages, 7 1/4 x 10 inches in size and is fully illustrated. FREE, postpaid, to any address, domestic or foreign, simply for the asking.

SIXTH, it has no central heat dome, which means, first, that there is no stationary object at this point for the chicks to huddle against, thereby crowding and trampling one another; second, that they have full use of the brooding space in this most valuable location, thus increasing the capacity of this Hover about 12 1/2 per cent., as compared with the central heat dome type; third, this construction gives a far better movement of the fresh, warm air throughout the brooding space.



WHAT AND HOW TO FEED

Tells what, When and How to Feed Chicks and Ducklings from their first Meal until they are Ready for Market as Broilers, Fries, Roasting Chickens, "Green Ducks", etc., or until they Reach Maturity to be Used as Layers or Breeders. Same Number and size of Pages as "Best Methods of Brooding". Also sent FREE, postage paid, to any address, on request.

SEVENTH, it is attended to—that is, the lamp is removed for-refilling, for trimming the wick, etc., without allowing any heat to escape from the radiator drum, whereas when the lamp is lifted out of the central dome type, every bit of heat in the radiator at once

BENEFITS OF "UNIFORM HEAT" AND AUTOMATIC SUPPLY OF "FRESH AIR."

Asheville, N. Y., August 4, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—

The Portable Hovers of your make that I installed this last spring gave us wonderful results and have proved most satisfactory.

During the season of 1912 my chick loss, previous to the end of the third week, was disheartening. This year, thanks to your Portable Hovers, the loss was almost nothing.

Better still, the chicks are far harder than those of the same stock in 1912 and I can assign no other reason, after careful investigation, than the benefits derived from the patented regulator which forms a part of these Portable Hovers and insures a uniform temperature, together with the automatic ventilation which gives a continuous supply of fresh air to the chicks. This past season we had no leg weakness—something that gave us much trouble the year before.

I truly believe that your Portable Hovers are the very best on the market. I have tried others that were claimed to be "just as good", but they were not. Also the grade of Balanced-ration Poultry Foods manufactured by you far exceeds in quality and results the other brands we have tried.

The past season, as compared with our experience the year before, has caused us to believe that success in the poultry business is assured in advance to the man or woman who uses Cyphers Company goods and follows the advice you give in your valuable free literature.

E. W. GAGE, PROPRIETOR,
Chautauqua Lake Farms.

"PLACED 186 CHICKS IN HOVER AND RAISED EVERY ONE."

Beech Creek, Pa., June 23, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—

It affords me much pleasure to give you our experience with the Cyphers Portable Hover which we purchased last spring. We placed 186 chicks in this Hover and raised every single one.

After the chicks were far enough along to take care of themselves, we placed twenty Indian Runner ducklings in this Hover to see how it would work and raised nineteen of the finest ducks we ever had on the farm.

The one duck that died was a weakling.

Have used your Balanced-ration Chick Food with fine success.

PROGRESSIVE POULTRY FARM,
H. C. BERRY, OWNER.

As moderate or warm weather comes on, it is possible to raise an extra large number of chicks in the Cyphers Portable Hover, as was done by Mr. Berry, but during cold weather or while chilly nights and damp, cold days are still to be guarded against, we do not advise trying it. Under such conditions it will be found better to use two or three Hovers for as many chicks as one hundred and eighty-six.

passes upward and is lost—is wasted. In the Cyphers Portable Hover no heat escapes in this manner and the chicks continue to receive the benefit of the warmth that remains stored up in the radiator above their backs.

EIGHTH, it is ventilated in a way that prevents, absolutely, all danger of "dead air" (air breathed over and over again by the chicks) being "trapped" in the brooding space where the chicks go to get warm in the day-time and where they must sleep at night. As soon as the lamp is lighted in a Cyphers Portable Hover and the metal parts begin to warm up, fresh, warmed air is carried automatically into the upper part of the brooding space, above the heads of the chicks and thence is forced gently downward to the level of the chicks for them to breathe. This is "forced draft" circulation, so-called; it is both automatic and infallible, so long as the Cyphers Portable Hover is continued in operation.

NINTH, it is handy and safe to operate for the following reasons:

(a) That part of the thermometer which bears the temperature scale extends above the hover dome and therefore is in plain sight so that the temperature can be noted by the operator without withdrawing the thermometer or moving it from its regular position.

(b) The mica-covered sight-hole, located in top of lamp box (see No. 14 of sectional view herewith) enables operator to view the lamp flame while in a standing position, looking down at the device, or while in a stooping position, when adjusting the lamp flame.

(c) Has an extension wick-screw (see No. 15, sectional view) which enables operator to raise or lower the lamp flame in a convenient manner without danger of burning the fingers by their coming in contact with hot metal chimney or lamp burner.

(d) Is equipped with extension chimney-holder (see No. 25, sectional view) that remains cool and enables operator to elevate chimney and lock it in place when lamp is removed for filling, trimming wick, etc.

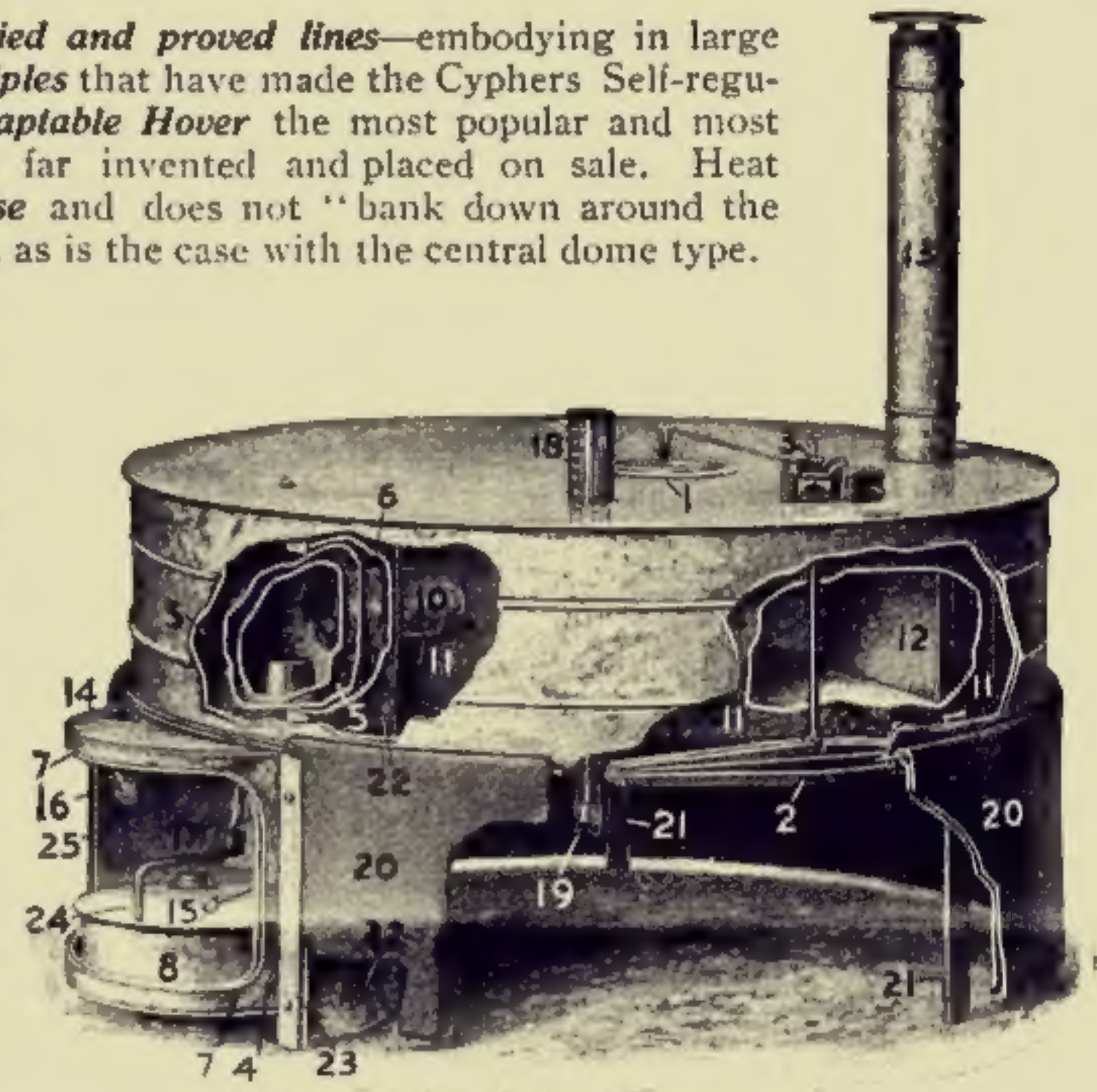
(e) Has circular, standard-size lamp box (standard as to size of seamless-bottom lamp bowl) that infallibly centers the lamp bowl and burner, rendering it impossible to get the lamp in wrong, or in a position where it will not heat the Hover properly.

(f) Has brass guide-ring on lamp burner which engages metal chimney when extension-holder is let down, thereby always locating the chimney in its proper position for perfect combustion.

TENTH, it is constructed throughout of metal, except the brooding curtain, therefore is practically indestructible and with reasonable care will last a life-time. Regulator thermostat is same as that used for years on Cyphers Adaptable Hovers, and brass lamp burner is strictly first-class and dependable.

ELEVENTH, it is built on tried and proved lines—embodying in large degree the same scientific principles that have made the Cyphers Self-regulating and Self-ventilating Adaptable Hover the most popular and most successful brooding device thus far invented and placed on sale. Heat passes upward, its natural course and does not "bank down around the lamp bowl" and overheat the oil, as is the case with the central dome type.

TWELFTH, it is strictly high-class in mechanical construction—is machinery-built, practically every piece being stamped out in exact duplicate by the use of steel dies made for the purpose. The same parts of every Hover are exactly alike, even though made in thousands of lots, and each complete Hover is an exact duplicate of every other Hover—unavoidably so. In other words, there can be no chance of misfits or of imperfect parts. Furthermore, the regulating device of each Hover is separately tested before the Hover is boxed for shipment.



SECTIONAL OR "CUT AWAY" VIEW OF CYPHERS SELF-REGULATING, SELF-VENTILATING, ALL-METAL PORTABLE HOVER

To the Student of Mechanics, this picture "tells the story" of practical superiority. 1, is the regulator damper. 2, zinc and steel thermostat. 3, adjustment nut for control of regulator. 4, fresh-air inlet, between lamp enclosure and metal guard. 5, flame-tight chamber where fresh outside air is warmed before passing into brooding space. 6, outlet for warmed fresh air into hover space or brooding chamber. 7, solderless, sliding-door, oil-tight lamp chamber. 8, seamless bottom, two-quart lamp bowl. 9, top of metal lamp chimney. 10, direct heat flue, leading from heat dome around lamp chimney into flame tight, solderless radiator that is located in top of brooding chamber immediately above backs of the chicks. 11, radiator with circular opening in center which insures proper mixing of air in brooding chamber and uniformity of temperature. 12, deflector inside of radiator that carries heat to far sides of interior of radiator. 13, waste heat and flue pipe that draws heat from lamp to far end outside of radiator. 14, sight-hole used by operator to view lamp flame when turning wick up or down. 15, extended wick-screw used in turning wick up or down without touching hot burner or chimney. 16, mirror in which, by looking straight downward through sight-hole (14), the lamp flame may be seen through mica-covered opening (17), that is located in side of lamp chimney. 18, scale on thermometer which is read without removing instrument from regular position. 19, bulb of thermometer, located just above backs of the chicks. 20, double-thickness, woolen felt curtains that enclose the brooding chamber. 21, metal legs that help support hover. 22, metal guard around heater and lamp enclosure. 23, metal strips with which to fasten curtains to metal guard. 24, chimney handle. 25, clip for holding chimney suspended.

"FOUND IT SATISFACTORY IN EVERY RESPECT".

Port Dover, Ont., Can., Sept. 19, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—

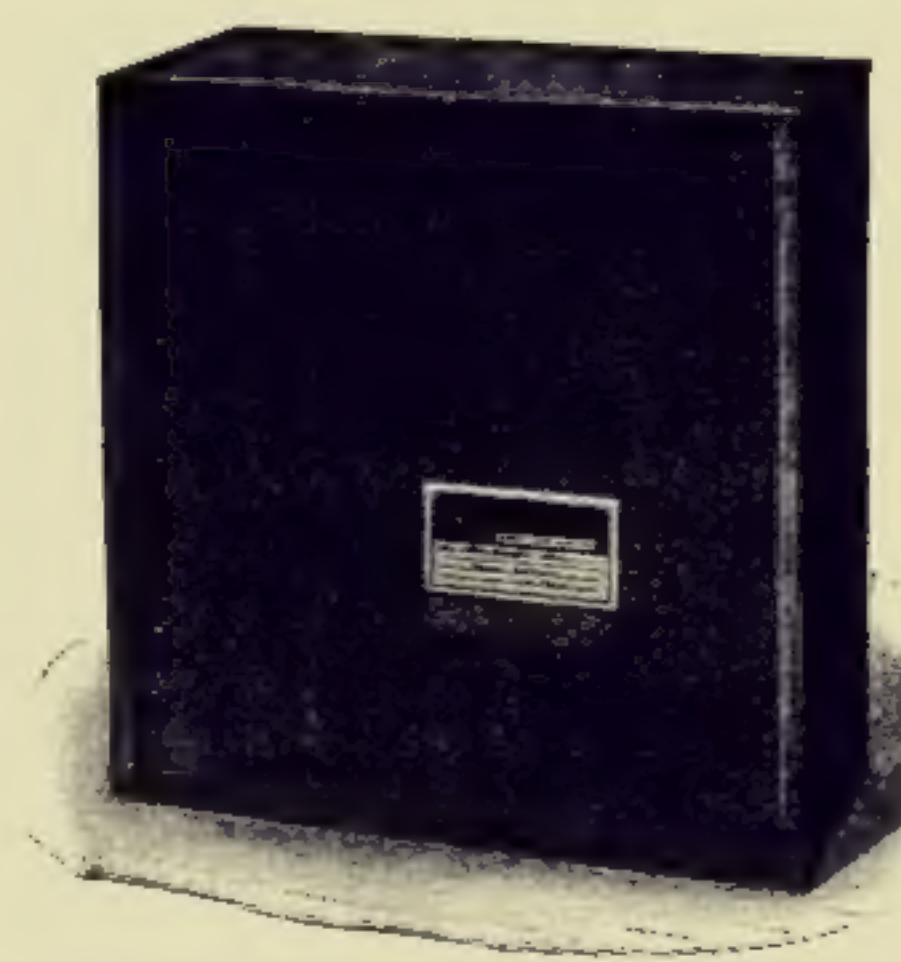
Let me give you a friendly "boost" on your Self-Regulating, Automatic-Ventilation Portable Hovers, because they deserve it. I have tried this Hover and found it satisfactory in every respect. You should have a splendid sale for them in Canada as well as in the United States, for they do the work and are just the thing for use in colony coops.

With a little attention now and then these Hovers maintain a uniform temperature for the chicks, which is very desirable and, what is equally important, they supply constantly a sufficient amount of fresh air. Not only is this air fresh, but it is "warmed" on its way to the chicks, thus preventing chilling drafts passing under the curtains or being discharged above the heads of the chicks. Shall use more of these Hovers another season.

I also wish to express my hearty approval of your Chick Food. In my opinion it has no equal on the market. Have used your incubators for years with good success and my dealings with your company have always been most pleasant.

JOHN S. MARTIN,
Breeder of "Regal Strain" White Wyandottes.

A brooding device, to do satisfactory work in Canada, must have strong heating power. For a Hover of the "portable" type, we believe that the Cyphers Portable supplies more heat when needed than any other similar device on the market, while at the same time the production of heat in this Hover can be reduced, to suit conditions, with ease and safety, when the weather turns warm, or in Southern latitudes.



BY FREIGHT OR EXPRESS

From Photograph, Showing Cyphers Portable Hover, boxed and ready for shipment. Weight, boxed, 39 lbs. Can be shipped at low cost by express, when purchaser wishes to save valuable time. Too "bulky" to go by Parcel Post. Order from our place of business: nearest you, stating whether you desire shipment made by freight or express.

\$8.50 PRICE OF CYPHERS COMPANY PORTABLE BROODING HOVER

THIS IS THE PRICE of the Cyphers Company All-metal, Self-Regulating PORTABLE HOVER, everything complete, f.o.b. Buffalo, Boston, New York City, Chicago and Kansas City. Price, f.o.b. Oakland, Cal., \$9.50. Each hover safely boxed for shipment, weighs 39 pounds, and can be shipped by express to many points at a low rate, the value of time considered at this season of the year. WITH EACH HOVER at price named we furnish a zinc and steel thermostat and complete regulating device, the same as used on Standard Cyphers Brooders and Cyphers Adaptable Hover; a 12-inch tested, wood-mounted brooder thermometer and a seamless-bottom lamp equipped with the same style and grade of burner we supply with our Standard Incubators.

SEVEN PLACES OF BUSINESS: The fact that we have seven places of business (six in the United States) from which these Hovers can be purchased, means an IMPORTANT SAVING IN TIME AND TRANSPORTATION CHARGES to our valued customers. In your own best interests BE SURE to send orders to our branch house NEAREST TO THE RAILROAD STATION to which you wish to have all shipments made.

CYPHERS INCUBATOR COMPANY

Factory and Home Offices, BUFFALO, N. Y., U. S. A.

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